



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: P-408 (TI-0013)

Inventors: Taylor et al.

Serial No.: 09/802,466

Filing Date: March 9, 2001

Examiner: Marvich, Maria

Group Art Unit: 1636

Title: Chromatographic Method for RNA
Stabilization

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Respectfully submitted,

Jane Massey Licata

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Date: November 3, 2003

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Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number: 09/802,466

Filing Date: 03/09/2001

First Named Inventor: Paul D. Taylor, et al

Art Unit: 1636

Examiner Name Marvich, Maria

Attorney Docket Number: P-408 (TI-0013)

Sheet 1 of 5

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	CITE NO.	DOCUMENT NUMBER - KIND CODE (IF KNOWN)	PUBLICATION DATE MM/DD/YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR
		4,563,510	01/07/1986	Ugelstad	
		4,906,378	03/06/1990	Hagen et al.	
		5,338,448	08/16/1994	Gjerde	
		5,438,128	08/01/1995	Nieuwkerk et al.	
		5,585,236	12/17/1996	Bonn et al.	
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		5,772,889	06/30/1998	Gjerde et al.	
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		5,972,222	10/26/1999	Gjerde et al.	
		5,986,085	11/16/1999	Gjerde et al.	

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		WO 98/48913	11/05/1998	PCT		
		WO 98/48914	11/05/1998	PCT		
		WO 98/56797	12/17/1998	PCT		

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		5,997,742	12/07/1999	Gjerde et al.	
		6,017,457	01/25/2000	Gjerde et al.	
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		WO 98/56798	12/17/1998	PCT		

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

*EXAMINER INITIAL	CITE NO.	Include name of the author (in CAPITAL LETTERS), Title of the item, date, page(s), volume-issue numbers, publisher, city and/or country where published
	✓	AbouHaidar et al., NON-ENZYMATIC RNA HYDROLYSIS PROMOTED BY THE COMBINED CATALYTIC ACTIVITY OF BUFFERS AND MAGNESIUM IONS, Z. Naturforsch 54c, 542-548 (1999)
	✓	Akagi et al., PURIFICATION AND PROPERTIES OF ACID RIBONUCLEASES IN HUMAN SERUM AND LEUKOCYTES, Cancer Res, 38:2163-7 (1978) (Abstract)
	✓	Ambion, Technical Bulletin 159, Working with RNA.
	✓	Ambion, Technical Bulletin 166, Nuclease and Protease Testing: Laboratory and Commercial Considerations
	✓	Ambion, Technical Bulletin 178, RNase and DEPC Treatment: Fact or Laboratory Myth
	✓	Ambion, Technical Bulletin 180, How to Maintain an RNase-free Lab
	✓	Ambion, SUPERase-In, The Ultimate RNase Inhibitor
	✓	Ambion, RNaseAlert RNase Detection Assay Kit
	✓	Ambion Catalog, RNase Control Products, pages 101 - 109 (1999)
	✓	Ambion's Tips From the Bench: Practical Tips for Handling RNA
	✓	Ambion's Online Catalog, Excerpts pertaining to RNA purification and/or stabilization
	✓	Ambion, New 2000 Catalog, TechNotes Newsletter Update
	✓	Arends, Sabine et al., Eur. J. Biochemistry, 244:635-645 (1997)
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		Bischoff et al, ISOLATION OF SPECIFIC TRNAS USING AN IONIC-HYDROPHOBIC MIXED-MODE CHROMATOGRAPHIC MATRIX, Analytical Biochemistry, 151: 526-533 (1985)
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

*EXAMINER INITIAL	CITE NO.	Include name of the author (in CAPITAL LETTERS), Title of the item, date, page(s), volume-issue numbers, publisher, city and/or country where published
		Chomczynski et al., SINGLE-STEP METHOD OF RNA ISOLATION BY ACID GUANIDINIUM THIOCYANATE-PHENOL-CHLOROFORM EXTRACTION, Anal. Biochem. 162:156-159 (1987)
		Deutscher, Murray P. et al., Miami Nature Biotechnology Short Reports, Volume II, Advances in Gene Technology: DNA, RNA and CANCER, Oxford University Press, page 29, Arezou, et al. Abstract
		Djordjevic, Nebojsa M. et al., Analytical Chemistry, 70:1921-1925 (1998)
		Dolezal, Miloš et al., Journal of Chromatography, 463:409-417 (1989)
		Garcia, Sara et al., Journal of Chrom. Science, 21:398-404 (1983)
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		Huber et al, RAPID ANALYSIS OF BIOPOLYMERS ON MODIFIED NON-POROUS POLYSTYRENE-DIVINYLBENZENE PARTICLES, Chromatographia, Vol. 37 No. 11/12: 653-658 (Dec. 1993)
		Huber et al, HIGH-RESOLUTION LIQUID CHROMATOGRAPHY OF OLIGONUCLEOTIDES ON NONPOROUS ALKYLATED STYRENE-DIVINYLBENZENE COPOLYMERS, Analytical Biochemistry, 212: 351-358 (1993)
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		Matsumura, Kazunari et al., J. Biochemistry, 122:387-394 (1997)
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